ELSEVIER

Journal of Organometallic Chemistry 498 (1995) C32–C33

Journal of Organometallic Chemistry

Author Index of Volume 498

Abdul Malik, K.M., 257
Alvarez-Toledano, C., 15
Amaudrut, J., 165
Anderson, S., 251
Antiñolo, A., 165

Baba, S., 229
Baker, L.-J., C14
Baker, P.K., 257
Baker, R.T., 109
Balázs, M., C17
Bandyopadhyay, P., 81
Bekeshev, V.G., 25
Bernès, S., 15
Bhawmick, R., 81
Bianchi, M., 177, 187
Biswas, H., 81
Blake, A.J., 237
Bohanna, C., 199
Bosque, R., 147
Boyce, M., 241
Brandsma, L., C6
Brown, M.A., 275
Brunner, H., 165
Brusova, G.P., 37

Calabrese, J.C., 109
Cano, A.C., 15
Carboni, B., 229
Carluccio, L.C., 187
Carrié, R., 229
Carriedo, G.A., 207
Chaudret, B., 139
Chu, S.Y.F., 221
Churakov, A.V., 37
Clarke, B., 241
Cox, P.J., 275
Cunningham, D., 241

Dahan, F., 139
Daran, J.-C., 15, 41
Del Hierro, I., 165
Den Besten, R., C6
Díaz, M.R., 207
Dyson, P.J., 237

Elison, M., 1
Elkrami, S., 165
Esteruelas, M.A., 199

Fachinetti, G., C20
Fajardo, M., 165
Fernández-Catuxo, L., 207
Feurer, R., 41
Filippou, A.C., 91
Frediani, P., 187
Fujihara, H., 49
Funaioli, T., C20
Furukawa, N., 49

Gallagher, J.F., 241
Garcia-Yuste, S., 165
García Alonso, F.J., 207
García Granda, S., 207
Gehart, G., 165
Gervasio, G., 73
Gómez Elipe, P., 207
Guarducci, R., 187

Hall, C.D., 221
Hamers, H., 63
Hardt, T., 63
Harman, A., 251
Harman, M.E., 257
Hasegawa, M., C23
Heckel, M., C29
Herdtweck, E., 1
Herrero, J., 199
Herrmann, W.A., 1
Higgins, T., 241
Hill, A.F., 251
Hiller, W., C29
Hofmann, P., C29
Howie, R.A., 275
Huang, X.-Y., 119
Hughes, S., 257
Hursthouse, M.B., 257

Ianelli, S., 177
Igoshi, T., C23
Ingham, S.L., 237

Jazouli, M., 229
Johnson, B.F.G., 237
Jouikov, V., 213
Jutzi, P., 85, 127

Kaganovich, V.S., 155
Kalck, P., 41
Kalck, Ph., C10
Kanters, J.A., C6
Kazennova, N.B., 37
Kiprof, P., 1
Kirss, R.U., 171
Kläui, W., 63
Kleimeier, J., 85
Koïnis, S., C10
Komatsuzaki, N., 53
Krasnov, V., 213
Kuz'mina, L.G., 37

Lemenovskii, D.A., 37
López, A.M., 199
López, C., 147
Lungwitz, B., 91

Marchetti, F., C20
Matteoli, U., 177
Mazurchik, B.A., 25
McArdle, P., 241
Meier, C., C29
Mellado, O.G., 15
Melvin, O.A., 275
Menchi, G., 177
Meng, Q., C1
Mihalios, D., 1
Mingos, D.M.P., 267
Morancho, R., 41
Moreno, B., 139
Mourad, Y., 165
Mugnier, Y., 165

Nardelli, M., 177
Neumann, B., 85, 127
Ní Cholchúin, M., 241
Novikova, L.N., 25

Öfele, K., 1
O'Gara, M., 241
Oprunenko, Y.F., 25
Oro, L.A., 199
Otero, A., 165

Piacenti, F., 177, 187
Pneumatikakis, G., C10
Priermeier, T., 1

Redeker, T., 85, 127
Rehder, D., 29
Rickard, C.E.F., C14
Riede, J., C29
Rochev, V.Y., 25
Rodewald, D., 29
Rudler, H., 15

ELSEVIER

Journal of Organometallic Chemistry 498 (1995) C32–C33

Journal of Organometallic Chemistry

Author Index of Volume 498

Abdul Malik, K.M., 257
Alvarez-Toledano, C., 15
Amaudrut, J., 165
Anderson, S., 251
Antiñolo, A., 165

Baba, S., 229
Baker, L.-J., C14
Baker, P.K., 257
Baker, R.T., 109
Balázs, M., C17
Bandyopadhyay, P., 81
Bekeshev, V.G., 25
Bernès, S., 15
Bhawmick, R., 81
Bianchi, M., 177, 187
Biswas, H., 81
Blake, A.J., 237
Bohanna, C., 199
Bosque, R., 147
Boyce, M., 241
Brandsma, L., C6
Brown, M.A., 275
Brunner, H., 165
Brusova, G.P., 37

Calabrese, J.C., 109
Cano, A.C., 15
Carboni, B., 229
Carluccio, L.C., 187
Carrié, R., 229
Carriedo, G.A., 207
Chaudret, B., 139
Chu, S.Y.F., 221
Churakov, A.V., 37
Clarke, B., 241
Cox, P.J., 275
Cunningham, D., 241

Dahan, F., 139
Daran, J.-C., 15, 41
Del Hierro, I., 165
Den Besten, R., C6
Díaz, M.R., 207
Dyson, P.J., 237

Elison, M., 1
Elkrami, S., 165
Esteruelas, M.A., 199

Fachinetti, G., C20
Fajardo, M., 165
Fernández-Catuxo, L., 207
Feurer, R., 41
Filippou, A.C., 91
Frediani, P., 187
Fujihara, H., 49
Funaioli, T., C20
Furukawa, N., 49

Gallagher, J.F., 241
Garcia-Yuste, S., 165
García Alonso, F.J., 207
García Granda, S., 207
Gehart, G., 165
Gervasio, G., 73
Gómez Elipe, P., 207
Guarducci, R., 187

Hall, C.D., 221
Hamers, H., 63
Hardt, T., 63
Harman, A., 251
Harman, M.E., 257
Hasegawa, M., C23
Heckel, M., C29
Herdtweck, E., 1
Herrero, J., 199
Herrmann, W.A., 1
Higgins, T., 241
Hill, A.F., 251
Hiller, W., C29
Hofmann, P., C29
Howie, R.A., 275
Huang, X.-Y., 119
Hughes, S., 257
Hursthouse, M.B., 257

Ianelli, S., 177
Igoshi, T., C23
Ingham, S.L., 237

Jazouli, M., 229
Johnson, B.F.G., 237
Jouikov, V., 213
Jutzi, P., 85, 127

Kaganovich, V.S., 155
Kalck, P., 41
Kalck, Ph., C10
Kanters, J.A., C6
Kazennova, N.B., 37
Kiprof, P., 1
Kirss, R.U., 171
Kläui, W., 63
Kleimeier, J., 85
Koïnis, S., C10
Komatsuzaki, N., 53
Krasnov, V., 213
Kuz'mina, L.G., 37

Lemenovskii, D.A., 37
López, A.M., 199
López, C., 147
Lungwitz, B., 91

Marchetti, F., C20
Matteoli, U., 177
Mazurchik, B.A., 25
McArdle, P., 241
Meier, C., C29
Mellado, O.G., 15
Melvin, O.A., 275
Menchi, G., 177
Meng, Q., C1
Mihalios, D., 1
Mingos, D.M.P., 267
Morancho, R., 41
Moreno, B., 139
Mourad, Y., 165
Mugnier, Y., 165

Nardelli, M., 177
Neumann, B., 85, 127
Ní Cholchúin, M., 241
Novikova, L.N., 25

Öfele, K., 1
O'Gara, M., 241
Oprunenko, Y.F., 25
Oro, L.A., 199
Otero, A., 165

Piacenti, F., 177, 187
Pneumatikakis, G., C10
Priermeier, T., 1

Redeker, T., 85, 127
Rehder, D., 29
Rickard, C.E.F., C14
Riede, J., C29
Rochev, V.Y., 25
Rodewald, D., 29
Rudler, H., 15

Rufanov, K.A., 37
Rybinskaya, M.I., 159

Sabo-Etienne, S., 143
Sales, J., 151
Salvini, A., 191
Sappa, E., 73
Sawada, M., 53
Schmidt, M.U., C29
Schulte, H.-J., 63
Schulzke, C., 29
Serp, P., 41
Shirai, K., 53
Sirol, S., C10
Song, L., C1
Soufiaoui, M., 233
Soulantica, K., C10
Spek, A.L., C6
Stammler, H.-G., 85, 131
Stephenson, G.R., C17
Surman, P.W.J., C14

Takaguchi, Y., 49
Takahashi, S., 53
Tanaka, T., 53
Tanase, T., C23
Taylor, M.J., C14
Taylor, O.J., 279
Toscano, R.A., 15

Ukaji, H., C23
Uno, M., 53
Ustynyuk, N.A., 25

Vaisserman, J., 41
Veldman, N., C6

Wachter, J., 169
Wardell, J.L., 279
Westcott, S.A., 113
Williams, D.J., 271
Wu, H.-P., 123

Yamamoto, Y., C23
Yan, Y.-K., 271
Yin, Y.-Q., 123
Yoshimura, K., C23
You, X., C1
Yu, K.-B., 123

ELSEVIER

Journal of Organometallic Chemistry 498 (1995) C34–C40

Journal of Organometallic Chemistry

Subject Index of Volume 498

Acetals
Direct synthesis of acetals by rhodium catalysed hydroformylation of alkenes in the presence of orthoformate (K. Soulantica, S. Sirol, S. Koïnis, G. Pneumatikakis and Ph. Kalck), C10

Alkylidene complexes
Formation and X-ray structure of the μ-alkylidene complex $Fe_2(CO)_6(\mu-\eta^3,\ \eta^3\text{-}C(CH{=}CHPh)_2)$ upon deoxygenation of $Fe_2(CO)_8(\mu-\eta^2,\ \eta^2\text{-}C(O)(CH{=}CHPh)_2)$ with methyl lithium (S. Bernès, R.A. Toscano, A.C. Cano, O.G. Mellado, C. Alvarez-Toledano, H. Rudler and J.-C. Daran), 15

Alkyne
Alkyne-niobium(I) complexes with functionalized alkynes: synthesis, structure and reactivity (D. Rodewald, C. Schulzke and D. Rehder), 29

Alkynyl(vinyl) complexes
Reactions of $[RuH(\eta^3\text{-}C_3H_5)(CO)(P^iPr_3)_2]$ and $[Ru(\eta^2\text{-}C_2Ph_2)(CO)(P^iPr_3)_2]$ with terminal alkynes: synthesis and characterization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II) (C. Bohanna, M.A. Esteruelas, J. Herrero, A.M. López and L.A. Oro), 199

Allyl complexes
Reactions of $[RuH(\eta^3\text{-}C_3H_5)(CO)(P^iPr_3)_2]$ and $[Ru(\eta^2\text{-}C_2Ph_2)(CO)(P^iPr_3)_2]$ with terminal alkynes: synthesis and characterization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II) (C. Bohanna, M.A. Esteruelas, J. Herrero, A.M. López and L.A. Oro), 199

Aminocarbyne complexes
Metal–carbon multiple bonds: novel syntheses and reactions of aminocarbyne complexes of tungsten (B. Lungwitz and A.C. Filippou), 91

Aminoferrocenes
Schiff bases derived from aminomethylferrocene and their cyclopalladated derivatives (R. Bosque, C. López and J. Sales), 147

Antimony
Recognition of linear and bent forms of solid μ-oxo-bis[iodotriphenylantimony(V)] $(Ph_3SbI)_2O$ (M.J. Taylor, L.-J. Baker, C.E.F. Rickard and P.W.J. Surman), C14

Arene π-complexes
Arenetetracobaltnonacarbonyls as π-arene complexes and clusters (V.S. Kaganovich and M.I. Rybinskaya), 155

Arsinic
2-Diphenylarsino-, 2-diphenylphosphinyl-, and 2-triphenylstannyl-derivatives of methyl 4,6-O-benzylidene-2-deoxy-α-D-altropyranoside. Crystal structure of the phosphinyl derivative (M.A. Brown, P.J. Cox, R.A. Howie, O.A. Melvin, O.J. Taylor and J.L. Wardell), 275

Benzotriazole
Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)-borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Bis(alkynyl) complexes
Reactions of $[RuH(\eta^3\text{-}C_3H_5)(CO)(P^iPr_3)_2]$ and $[Ru(\eta^2\text{-}C_2Ph_2)(CO)(P^iPr_3)_2]$ with terminal alkynes: synthesis and characterization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II) (C. Bohanna, M.A. Esteruelas, J. Herrero, A.M. López and L.A. Oro), 199

Boron
Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109
Diastereomers of the carborane sandwich complex *commo*-[3,3-Fe(4-(Me_2S)-1,2-$C_2B_9H_{10})_2$]; crystal structure of *meso*-$[Fe(C_2B_9H_{10}SMe_2)_2]$ (Y.-K. Yan, D.M.P. Mingos and D.J. Williams), 267
II. 1,3-Dipolar cycloadditions to unsaturated boronic esters. Synthesis of borylated 2-isoxazolines. Conversion of some cycloadducts to 5-hydroxy-2-isoxazolines, 5-hydroxymethyl-2-isoxazolines and isoxazoles (M. Jazouli, S. Baba, B. Carboni, R. Carrié and M. Soufiaoui), 229
Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Carbon dioxide complexes
Electrochemical and chemical reduction of niobocene dichlorides in the presence of carbon dioxide (S. Elkrami, Y. Mourad, Y. Mugnier, A. Antiñolo, I. Del Hierro, S. Garcia-Yuste, A. Otero, M. Fajardo, H. Brunner, G. Gehart, J. Wachter and J. Amaudrut), 165

Carbonyl
Alkyne-niobium(I) complexes with functionalized alkynes: synthesis, structure and reactivity (D. Rodewald, C. Schulzke and D. Rehder), 29
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1
Regiocontrol switching in C–C bond formation during decomplexation of a tricarbonyl(η^4-cyclohexadiene)iron complex (M. Balázs and G.R. Stephenson), C17
Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters $(\mu_3\text{-}CPh)FeCoMo(CO)_8(RCOCp)H$ (R = H, CH_3 or C_2H_5O) derived from the clusters $(\mu_3\text{-}CPh)Co_2Mo(CO)_8(RCOCp)$ (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119
Synthesis, characterization and X-ray structure of $Rh_6(CO)_{10}(\mu_3\text{-}CO)_4(\eta^4\text{-}C_6H_8)$ (P.J. Dyson, S.L. Ingham, B.F.G. Johnson and A.J. Blake), 237
Synthesis, X-ray structure and coordination to $Mn(CO)_3(bipy)^+$ of the cyclotriphosphazenes $N_3P_3(OC_5H_4N\text{-}2)_6$ and $N_3P_3(OC_5H_4N\text{-}4)_6$ (G.A. Carriedo, P. Gómez Elipe, F.J. García Alonso, L. Fernández-Catuxo, M.R. Díaz and S. García Granda), 207

Carbonyls
Reactions of $[Fe_3(CO)_{12}]$ with asymmetrically substituted alkynes. I. Chemical relationships between the $[Fe_3(CO)_9(\mu_3\text{-}\eta^2\text{-}C_2RR')]$

and the carboxylato complexes [$Fe_2(CO)_6\{RC_2R'(COO)\}$]. The splitting of a water molecule into its components favoured by TLC materials (G. Gervasio and E. Sappa), 73

Carborane

Diastereomers of the carborane sandwich complex *commo*-[3,3-Fe{4-(Me_2S)-1,2-$C_2B_9H_{10}$}$_2$]; crystal structure of *meso*-[Fe($C_2B_9H_{10}SMe_2$)$_2$] (Y.-K. Yan, D.M.P. Mingos and D.J. Williams), 267

Carboxylate complexes

Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20

Structure and catalytic activity of phosphine-substituted ruthenium carbonyl carboxylates (U. Matteoli, G. Menchi, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli), 177

Carbyne

Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W≡C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63

Catalysis

Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109

Direct synthesis of acetals by rhodium catalysed hydroformylation of alkenes in the presence of orthoformate (K. Soulantica, S. Sirol, S. Koïnis, G. Pneumatikakis and Ph. Kalck), C10

Ruthenium carbonyl carboxylate complexes with nitrogen-containing ligands. III. Catalytic activity in hydrogenation (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio and F. Piacenti), 187

Structure and catalytic activity of phosphine-substituted ruthenium carbonyl carboxylates (U. Matteoli, G. Menchi, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli), 177

Catalyst preparation

Mechanistic studies of the activation and the decomposition of [$Rh_2Cl_2(CO)_4$] in organometallic chemical vapour deposition (P. Serp, R. Feurer, R. Morancho, P. Kalck, J.-C. Daran and J. Vaisserman), 41

C–C bond formation

Regiocontrol switching in C–C bond formation during decomplexation of a tricarbonyl(η^4-cyclohexadiene)iron complex (M. Balázs and G.R. Stephenson), C17

Chalcogen

Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49

Chelate

Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)-borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Chirality

Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters (μ_3-CPh)FeCoMo(CO)$_8$(RCOCp)H (R = H, CH_3 or C_2H_5O) derived from the clusters (μ_3-CPh)Co_2Mo(CO)$_8$-(RCOCp) (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119

Synthesis of planar-chiral cobalticinium complexes (N. Komatsuzaki, M. Uno, K. Shirai, T. Tanaka, M. Sawada and S. Takahashi), 53

Chromium

Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1

Cluster

Labile coordination of bis(diphenylphosphinomethyl)phenylphosphine in di- and trinuclear palladium and platinum complexes containing *ortho*-substituted aromatic isocyanide (Y. Yamamoto, T. Tanase, H. Ukaji, M. Hasegawa, T. Igoshi and K. Yoshimura), C23

Reactions of [$Fe_3(CO)_{12}$] with asymmetrically substituted alkynes. I. Chemical relationships between the [$Fe_3(CO)_9(\mu_3$-η^2-$C_2RR')$] and the carboxylato complexes [$Fe_2(CO)_6\{RC_2R'(COO)\}$]. The splitting of a water molecule into its components favoured by TLC materials (G. Gervasio and E. Sappa), 73

Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters (μ_3-CPh)FeCoMo(CO)$_8$(RCOCp)H (R = H, CH_3 or C_2H_5O) derived from the clusters (μ_3-CPh)Co_2Mo(CO)$_8$-(RCOCp) (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119

Cobalt

Synthesis of planar-chiral cobalticinium complexes (N. Komatsuzaki, M. Uno, K. Shirai, T. Tanaka, M. Sawada and S. Takahashi), 53

Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; $H_2$3MeO-sal1,3pn = *N*,*N*′-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke, D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241

Cobalt clusters

Arenetetracobaltnonacarbonyls as π-arene complexes and clusters (V.S. Kaganovich and M.I. Rybinskaya), 155

Coinage metals

Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109

Cryptates

Cyclic voltammetry of cryptands and cryptates containing the ferrocene unit (C.D. Hall and S.Y.F. Chu), 221

Crystal structure

2,6-Bis[(dimethylamino)methyl]phenylsodium: the first trimeric organosodium compound (R. Den Besten, L. Brandsma, A.L. Spek, J.A. Kanters and N. Veldman), C6

2-Diphenylarsino-, 2-diphenylphosphinyl-, and 2-triphenylstannyl-derivatives of methyl 4,6-O-benzylidene-2-deoxy-α-D-altropyranoside. Crystal structure of the phosphinyl derivative (M.A. Brown, P.J. Cox, R.A. Howie, O.A. Melvin, O.J. Taylor and J.L. Wardell), 275

Diastereomers of the carborane sandwich complex *commo*-[3,3-Fe{4-(Me_2S)-1,2-$C_2B_9H_{10}$}$_2$]; crystal structure of *meso*-[Fe($C_2B_9H_{10}SMe_2$)$_2$] (Y.-K. Yan, D.M.P. Mingos and D.J. Williams), 267

Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1

Recognition of linear and bent forms of solid μ-oxo-bis[iodotriphenylantimony(V)] ($Ph_3SbI)_2O$ (M.J. Taylor, L.-J. Baker, C.E.F. Rickard and P.W.J. Surman), C14

Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of [$W(CO)_3(\eta^2$-pymS)$_2$] (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257

Synthese, Struktur und Eigenschaften von Grignard-Verbindungen mit *N*,*N*-Dimethylaminoethyl-substituierten Cyclopentadienyl-Systemen (P. Jutzi, J. Kleimeier, T. Redeker, H.-G. Stammler und B. Neumann), 85

Synthesis, characterization and X-ray structure of $Rh_6(CO)_{10}(\mu_3$-$CO)_4(\eta^4$-$C_6H_8)$ (P.J. Dyson, S.L. Ingham, B.F.G. Johnson and A.J. Blake), 237

Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; $H_2$3MeO-sal1,3pn = *N*,*N*′-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke,

D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241
Cyclic voltammetry
Cyclic voltammetry of cryptands and cryptates containing the ferrocene unit (C.D. Hall and S.Y.F. Chu), 221
Cycloaddition
II. 1,3-Dipolar cycloadditions to unsaturated boronic esters. Synthesis of borylated 2-isoxazolines. Conversion of some cycloadducts to 5-hydroxy-2-isoxazolines, 5-hydroxymethyl-2-isoxazolines and isoxazoles (M. Jazouli, S. Baba, B. Carboni, R. Carrié and M. Soufiaoui), 229
Cyclodextrin
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1
β-cyclodextrin dimer
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1
Cyclohexa-1,3-diene
Synthesis, characterization and X-ray structure of $Rh_6(CO)_{10}(\mu_3\text{-}CO)_4(\eta^4\text{-}C_6H_8)$ (P.J. Dyson, S.L. Ingham, B.F.G. Johnson and A.J. Blake), 237
Cyclohexadiene
Regiocontrol switching in C–C bond formation during decomplexation of a tricarbonyl(η^4-cyclohexadiene)iron complex (M. Balázs and G.R. Stephenson), C17
Cyclopalladation
Schiff bases derived from aminomethylferrocene and their cyclopalladated derivatives (R. Bosque, C. López and J. Sales), 147
Cyclopentadienyl
Synthese, Struktur und Eigenschaften von Grignard-Verbindungen mit *N,N*-Dimethylaminoethyl-substituierten Cyclopentadienyl-Systemen (P. Jutzi, J. Kleimeier, T. Redeker, H.-G. Stammler und B. Neumann), 85
Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters (μ_3-CPh)FeCoMo(CO)$_8$(RCOCp)H (R = H, CH_3 or C_2H_5O) derived from the clusters (μ_3-CPh)$Co_2Mo(CO)_8$-(RCOCp) (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119
Synthesis of planar-chiral cobalticinium complexes (N. Komatsuzaki, M. Uno, K. Shirai, T. Tanaka, M. Sawada and S. Takahashi), 53

Dibenzylideneacetone
Formation and X-ray structure of the μ-alkylidene complex $Fe_2(CO)_6(\mu\text{-}\eta^3, \eta^3\text{-}C(CH{=}CHPh)_2)$ upon deoxygenation of $Fe_2(CO)_9(\mu\text{-}\eta^2, \eta^2\text{-}C(O)(CH{=}CHPh)_2)$ with methyl lithium (S. Bernès, R.A. Toscano, A.C. Cano, O.G. Mellado, C. Alvarez-Toledano, H. Rudler and J.-C. Daran), 15
Dimethylaminoethyltetramethylcyclopentadienyl
Der 1-Dimethylaminoethyl-2,3,4,5-tetramethylcyclopentadienyl-Ligand in der Chemie von Nickel, Palladium und Platin; Molekülstruktur von $[(C_5Me_4CH_2CH_2NMe_2)Ni(CO)]_2$ (P. Jutzi, T. Redeker, B. Neumann und H.-G. Stammler), 127
Dynamics
Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49
Dynamic structures
Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1

Effects of TLC
Reactions of $[Fe_3(CO)_{12}]$ with asymmetrically substituted alkynes. I. Chemical relationships between the $[Fe_3(CO)_9(\mu_3\text{-}\eta^2\text{-}C_2RR')]$ and the carboxylato complexes $[Fe_2(CO)_6\{RC_2R'(COO)\}]$. The splitting of a water molecule into its components favoured by TLC materials (G. Gervasio and E. Sappa), 73
Electrochemical synthesis
Electrochemical synthesis of cyclic alkylsilanes (V. Jouikov and V. Krasnov), 213
Electrochemistry
Electrochemical and chemical reduction of niobocene dichlorides in the presence of carbon dioxide (S. Elkrami, Y. Mourad, Y. Mugnier, A. Antiñolo, I. Del Hierro, S. García-Yuste, A. Otero, M. Fajardo, H. Brunner, G. Gehart, J. Wachter and J. Amaudrut), 165
Electrochemical synthesis of cyclic alkylsilanes (V. Jouikov and V. Krasnov), 213

Ferrocene
Cyclic voltammetry of cryptands and cryptates containing the ferrocene unit (C.D. Hall and S.Y.F. Chu), 221
Fluxionality
Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Grignard compounds
Synthese, Struktur und Eigenschaften von Grignard-Verbindungen mit *N,N*-Dimethylaminoethyl-substituierten Cyclopentadienyl-Systemen (P. Jutzi, J. Kleimeier, T. Redeker, H.-G. Stammler und B. Neumann), 85
Group 10
Labile coordination of bis(diphenylphosphinomethyl)phenylphosphine in di- and trinuclear palladium and platinum complexes containing *ortho*-substituted aromatic isocyanide (Y. Yamamoto, T. Tanase, H. Ukaji, M. Hasegawa, T. Igoshi and K. Yoshimura), C23
Group 16
Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49

Heterocyclic carbenes
Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1
Hexacations
Synthesis, X-ray structure and coordination to $Mn(CO)_3(bipy)^+$ of the cyclotriphosphazenes $N_3P_3(OC_5H_4N\text{-}2)_6$ and $N_3P_3(OC_5H_4\text{-}N\text{-}4)_6$ (G.A. Carriedo, P. Gómez Elipe, F.J. García Alonso, L. Fernández-Catuxo, M.R. Díaz and S. García Granda), 207
Hindered ligands
Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49
Homogeneous
Ruthenium carbonyl carboxylate complexes with nitrogen-containing ligands. III. Catalytic activity in hydrogenation (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio and F. Piacenti), 187
Hydrides
Hydrogenolysis of tetra(allyl)tungsten in the presence of tertiary phosphines: synthesis of tris(dmpm)tungsten (0) (R.U. Kirss), 171
Hydrido complexes
Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20
Hydroboration
Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109

Hydroformylation
Direct synthesis of acetals by rhodium catalysed hydroformylation of alkenes in the presence of orthoformate (K. Soulantica, S. Sirol, S. Koïnis, G. Pneumatikakis and Ph. Kalck), C10
Hydrogenation
Hydrogenolysis of tetra(allyl)tungsten in the presence of tertiary phosphines: synthesis of tris(dmpm)tungsten (0) (R.U. Kirss), 171
Ruthenium carbonyl carboxylate complexes with nitrogen-containing ligands. III. Catalytic activity in hydrogenation (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio and F. Piacenti), 187
Hydrogenolysis
Hydrogenolysis of tetra(allyl)tungsten in the presence of tertiary phosphines: synthesis of tris(dmpm)tungsten (0) (R.U. Kirss), 171

Imine
Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109
Inclusion compound
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1
Iron
Diastereomers of the carborane sandwich complex *commo*-[3,3-Fe(4-(Me_2S)-1,2-$C_2B_9H_{10}$)$_2$]; crystal structure of *meso*-[Fe($C_2B_9H_{10}SMe_2$)$_2$] (Y.-K. Yan, D.M.P. Mingos and D.J. Williams), 267
Formation and X-ray structure of the μ-alkylidene complex $Fe_2(CO)_6(\mu\text{-}\eta^3, \eta^3\text{-}C(CH{=}CHPh)_2)$ upon deoxygenation of $Fe_2(CO)_8(\mu\text{-}\eta^2, \eta^2\text{-}C(O)(CH{=}CHPh)_2)$ with methyl lithium (S. Bernès, R.A. Toscano, A.C. Cano, O.G. Mellado, C. Alvarez-Toledano, H. Rudler and J.-C. Daran), 15
Oxidatively induced coupling of fluorenyl ligands in 9-methylfluorenyliron complexes (L.N. Novikova, B.A. Mazurchik, N.A. Ustynyuk, Y.F. Oprunenko, V.Y. Rochev and V.G. Bekeshev), 25
Reactions of $[Fe_3(CO)_{12}]$ with asymmetrically substituted alkynes. I. Chemical relationships between the $[Fe_3(CO)_9(\mu_3\text{-}\eta^2\text{-}C_2RR')]$ and the carboxylato complexes $[Fe_2(CO)_6\{RC_2R'(COO)\}]$. The splitting of a water molecule into its components favoured by TLC materials (G. Gervasio and E. Sappa), 73
Regiocontrol switching in C–C bond formation during decomplexation of a tricarbonyl(η^4-cyclohexadiene)iron complex (M. Balázs and G.R. Stephenson), C17
Schiff bases derived from aminomethylferrocene and their cyclopalladated derivatives (R. Bosque, C. López and J. Sales), 147
Iron cryptands
Cyclic voltammetry of cryptands and cryptates containing the ferrocene unit (C.D. Hall and S.Y.F. Chu), 221
Isoxazoles
II. 1,3-Dipolar cycloadditions to unsaturated boronic esters. Synthesis of borylated 2-isoxazolines. Conversion of some cycloadducts to 5-hydroxy-2-isoxazolines, 5-hydroxymethyl-2-isoxazolines and isoxazoles (M. Jazouli, S. Baba, B. Carboni, R. Carrié and M. Soufiaoui), 229
2-Isoxazolines
II. 1,3-Dipolar cycloadditions to unsaturated boronic esters. Synthesis of borylated 2-isoxazolines. Conversion of some cycloadducts to 5-hydroxy-2-isoxazolines, 5-hydroxymethyl-2-isoxazolines and isoxazoles (M. Jazouli, S. Baba, B. Carboni, R. Carrié and M. Soufiaoui), 229

Ketene
Formation and X-ray structure of the μ-alkylidene complex $Fe_2(CO)_6(\mu\text{-}\eta^3, \eta^3\text{-}C(CH{=}CHPh)_2)$ upon deoxygenation of $Fe_2(CO)_8(\mu\text{-}\eta^2, \eta^2\text{-}C(O)(CH{=}CHPh)_2)$ with methyl lithium (S. Bernès, R.A. Toscano, A.C. Cano, O.G. Mellado, C. Alvarez-Toledano, H. Rudler and J.-C. Daran), 15

Magnesium
Synthese, Struktur und Eigenschaften von Grignard-Verbindungen mit *N,N*-Dimethylaminoethyl-substituierten Cyclopentadienyl-Systemen (P. Jutzi, J. Kleimeier, T. Redeker, H.-G. Stammler und B. Neumann), 85
Manganese
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1
Synthesis, X-ray structure and coordination to $Mn(CO)_3(bipy)^+$ of the cyclotriphosphazenes $N_3P_3(OC_5H_4N\text{-}2)_6$ and $N_3P_3(OC_5H_4N\text{-}4)_6$ (G.A. Carriedo, P. Gómez Elipe, F.J. García Alonso, L. Fernández-Catuxo, M.R. Díaz and S. García Granda), 207
Molybdenum
Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1
Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W=C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63
Molybdenum(II)
Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of $[W(CO)_3(\eta^2\text{-pymS})_2]$ (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257
Mössbauer spectroscopy
Oxidatively induced coupling of fluorenyl ligands in 9-methylfluorenyliron complexes (L.N. Novikova, B.A. Mazurchik, N.A. Ustynyuk, Y.F. Oprunenko, V.Y. Rochev and V.G. Bekeshev), 25
Multiple bonds
Metal–carbon multiple bonds: novel syntheses and reactions of aminocarbyne complexes of tungsten (B. Lungwitz and A.C. Filippou), 91

N-donors
Ruthenium carbonyl carboxylate complexes with nitrogen-containing ligands. III. Catalytic activity in hydrogenation (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio and F. Piacenti), 187
Nickel
Der 1-Dimethylaminoethyl-2,3,4,5-tetramethylcyclopentadienyl-Ligand in der Chemie von Nickel, Palladium und Platin; Molekülstruktur von $[(C_5Me_4CH_2CH_2NMe_2)Ni(CO)]_2$ (P. Jutzi, T. Redeker, B. Neumann und H.-G. Stammler), 127
Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; H$_2$3MeO-sal1,3pn = *N,N'*-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke, D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241
Niobium
Alkyne-niobium(I) complexes with functionalized alkynes: synthesis, structure and reactivity (D. Rodewald, C. Schulzke and D. Rehder), 29
Electrochemical and chemical reduction of niobocene dichlorides in the presence of carbon dioxide (S. Elkrami, Y. Mourad, Y. Mugnier, A. Antiñolo, I. Del Hierro, S. Garcia-Yuste, A. Otero,

M. Fajardo, H. Brunner, G. Gehart, J. Wachter and J. Amaudrut), 165

Nuclear magnetic resonances
Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49

Optical resolution
Synthesis of planar-chiral cobalticinium complexes (N. Komatsuzaki, M. Uno, K. Shirai, T. Tanaka, M. Sawada and S. Takahashi), 53

Organometallic chemical vapour deposition
Mechanistic studies of the activation and the decomposition of $[Rh_2Cl_2(CO)_4]$ in organometallic chemical vapour deposition (P. Serp, R. Feurer, R. Morancho, P. Kalck, J.-C. Daran and J. Vaisserman), 41

Oxidation
Metal–carbon multiple bonds: novel syntheses and reactions of aminocarbyne complexes of tungsten (B. Lungwitz and A.C. Filippou), 91

Oxidative addition
Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20

Oxygen insertion
Oxygen insertion into palladium–arene bonds by iodosylbenzene (R. Bhawmick, H. Biswas and P. Bandyopadhyay), 81

Oxygen ligand
Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W≡C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63

Palladium
Der 1-Dimethylaminoethyl-2,3,4,5-tetramethylcyclopentadienyl-Ligand in der Chemie von Nickel, Palladium und Platin; Molekülstruktur von $[(C_5Me_4CH_2CH_2NMe_2)Ni(CO)]_2$ (P. Jutzi, T. Redeker, B. Neumann und H.-G. Stammler), 127
Labile coordination of bis(diphenylphosphinomethyl)phenylphosphine in di- and trinuclear palladium and platinum complexes containing *ortho*-substituted aromatic isocyanide (Y. Yamamoto, T. Tanase, H. Ukaji, M. Hasegawa, T. Igoshi and K. Yoshimura), C23
Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W≡C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63
Oxygen insertion into palladium–arene bonds by iodosylbenzene (R. Bhawmick, H. Biswas and P. Bandyopadhyay), 81
Schiff bases derived from aminomethylferrocene and their cyclopalladated derivatives (R. Bosque, C. López and J. Sales), 147

Pentadienyl
Preparation and properties of inclusion compound of cyclopentadienylmanganese tricarbonyl complex with a β-cyclodextrin dimer (L. Song, Q. Meng and X. You), C1

Pentamethylcyclopentadienyl complex
Synthesis and some reactivity of pentamethylcyclopentadienylruthenium complexes with an $SnCl_3$ ligand. X-Ray crystal structure of $[(C_5Me_5)Ru(SnCl_3)(COD)]$ (B. Moreno, S. Sabo-Etienne, F. Dahan and B. Chaudret), 139

Phenylantimony(V) halides
Recognition of linear and bent forms of solid μ-oxo-bis[iodotriphenylantimony(V)] $(Ph_3SbI)_2O$ (M.J. Taylor, L.-J. Baker, C.E.F. Rickard and P.W.J. Surman), C14

Phosphaalkyne
Alkyne-niobium(I) complexes with functionalized alkynes: synthesis, structure and reactivity (D. Rodewald, C. Schulzke and D. Rehder), 29

Phosphazene
Synthesis, X-ray structure and coordination to $Mn(CO)_3(bipy)^+$ of the cyclotriphosphazenes $N_3P_3(OC_5H_4N\text{-}2)_6$ and $N_3P_3(OC_5H_4\text{-}N\text{-}4)_6$ (G.A. Carriedo, P. Gómez Elipe, F.J. García Alonso, L. Fernández-Catuxo, M.R. Díaz and S. García Granda), 207

Phosphine complexes
Structure and catalytic activity of phosphine-substituted ruthenium carbonyl carboxylates (U. Matteoli, G. Menchi, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli), 177

Phosphines
Coinage metal-catalyzed hydroboration of imines (R.T. Baker, J.C. Calabrese and S.A. Westcott), 109
Hydrogenolysis of tetra(allyl)tungsten in the presence of tertiary phosphines: synthesis of tris(dmpm)tungsten (0) (R.U. Kirss), 171

Phosphorus
2-Diphenylarsino-, 2-diphenylphosphinyl-, and 2-triphenylstannyl-derivatives of methyl 4,6-O-benzylidene-2-deoxy-α-D-altropyranoside. Crystal structure of the phosphinyl derivative (M.A. Brown, P.J. Cox, R.A. Howie, O.A. Melvin, O.J. Taylor and J.L. Wardell), 275

Platin
Der 1-Dimethylaminoethyl-2,3,4,5-tetramethylcyclopentadienyl-Ligand in der Chemie von Nickel, Palladium und Platin; Molekülstruktur von $[(C_5Me_4CH_2CH_2NMe_2)Ni(CO)]_2$ (P. Jutzi, T. Redeker, B. Neumann und H.-G. Stammler), 127

Platinum
Labile coordination of bis(diphenylphosphinomethyl)phenylphosphine in di- and trinuclear palladium and platinum complexes containing *ortho*-substituted aromatic isocyanide (Y. Yamamoto, T. Tanase, H. Ukaji, M. Hasegawa, T. Igoshi and K. Yoshimura), C23

Pyranosides
2-Diphenylarsino-, 2-diphenylphosphinyl-, and 2-triphenylstannyl-derivatives of methyl 4,6-O-benzylidene-2-deoxy-α-D-altropyranoside. Crystal structure of the phosphinyl derivative (M.A. Brown, P.J. Cox, R.A. Howie, O.A. Melvin, O.J. Taylor and J.L. Wardell), 275

Pyridine
Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20
Synthesis, X-ray structure and coordination to $Mn(CO)_3(bipy)^+$ of the cyclotriphosphazenes $N_3P_3(OC_5H_4N\text{-}2)_6$ and $N_3P_3(OC_5H_4\text{-}N\text{-}4)_6$ (G.A. Carriedo, P. Gómez Elipe, F.J. García Alonso, L. Fernández-Catuxo, M.R. Díaz and S. García Granda), 207

Pyridine-2-thionate
Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of $[W(CO)_3(\eta^2\text{-pymS})_2]$ (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257

Pyrimidine-2-thionate
Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of $[W(CO)_3(\eta^2\text{-pymS})_2]$ (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257

Reactions
Reactions of $[RuH(\eta^3\text{-}C_3H_5)(CO)(P^iPr_3)_2]$ and $[Ru(\eta^2\text{-}C_2Ph_2)(CO)(P^iPr_3)_2]$ with terminal alkynes: synthesis and character-

ization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II) (C. Bohanna, M.A. Esteruelas, J. Herrero, A.M. López and L.A. Oro), 199

Reactions with unsymmetric acetylenes

Reactions of $[Fe_3(CO)_{12}]$ with asymmetrically substituted alkynes. I. Chemical relationships between the $[Fe_3(CO)_9(\mu_3\text{-}\eta^2\text{-}C_2RR')]$ and the carboxylato complexes $[Fe_2(CO)_6\{RC_2R'(COO)\}]$. The splitting of a water molecule into its components favoured by TLC materials (G. Gervasio and E. Sappa), 73

Reduction

Electrochemical and chemical reduction of niobocene dichlorides in the presence of carbon dioxide (S. Elkrami, Y. Mourad, Y. Mugnier, A. Antiñolo, I. Del Hierro, S. Garcia-Yuste, A. Otero, M. Fajardo, H. Brunner, G. Gehart, J. Wachter and J. Amaudrut), 165

Rhodium

Direct synthesis of acetals by rhodium catalysed hydroformylation of alkenes in the presence of orthoformate (K. Soulantica, S. Sirol, S. Koïnis, G. Pneumatikakis and Ph. Kalck), C10

Mechanistic studies of the activation and the decomposition of $[Rh_2Cl_2(CO)_4]$ in organometallic chemical vapour deposition (P. Serp, R. Feurer, R. Morancho, P. Kalck, J.-C. Daran and J. Vaisserman), 41

Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)-borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Synthesis, characterization and X-ray structure of $Rh_6(CO)_{10}(\mu_3\text{-}CO)_4(\eta^4\text{-}C_6H_8)$ (P.J. Dyson, S.L. Ingham, B.F.G. Johnson and A.J. Blake), 237

Ruthenium

Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20

Reactions of $[RuH(\eta^3\text{-}C_3H_5)(CO)(P^iPr_3)_2]$ and $[Ru(\eta^2\text{-}C_2Ph_2)(CO)(P^iPr_3)_2]$ with terminal alkynes: synthesis and characterization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II) (C. Bohanna, M.A. Esteruelas, J. Herrero, A.M. López and L.A. Oro), 199

Structure and catalytic activity of phosphine-substituted ruthenium carbonyl carboxylates (U. Matteoli, G. Menchi, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli), 177

Synthesis and some reactivity of pentamethylcyclopentadienyl-ruthenium complexes with an $SnCl_3$ ligand. X-Ray crystal structure of $[(C_5Me_5)Ru(SnCl_3)(COD)]$ (B. Moreno, S. Sabo-Etienne, F. Dahan and B. Chaudret), 139

Ruthenium: Carbonyl complexes

Ruthenium carbonyl carboxylate complexes with nitrogen-containing ligands. III. Catalytic activity in hydrogenation (P. Frediani, M. Bianchi, A. Salvini, R. Guarducci, L.C. Carluccio and F. Piacenti), 187

Schiff bases

Schiff bases derived from aminomethylferrocene and their cyclopalladated derivatives (R. Bosque, C. López and J. Sales), 147

Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; $H_2$3MeO-sal1,3pn = *N*,*N'*-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke, D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241

Seven-coordinate

Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of $[W(CO)_3(\eta^2\text{-pymS})_2]$ (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257

Silicon

Electrochemical synthesis of cyclic alkylsilanes (V. Jouikov and V. Krasnov), 213

$SnCl_3^-$ as a ligand

Synthesis and some reactivity of pentamethylcyclopentadienyl-ruthenium complexes with an $SnCl_3$ ligand. X-Ray crystal structure of $[(C_5Me_5)Ru(SnCl_3)(COD)]$ (B. Moreno, S. Sabo-Etienne, F. Dahan and B. Chaudret), 139

Sodium

2,6-Bis[(dimethylamino)methyl]phenylsodium: the first trimeric organosodium compound (R. Den Besten, L. Brandsma, A.L. Spek, J.A. Kanters and N. Veldman), C6

Stiboxane

Recognition of linear and bent forms of solid μ-oxo-bis[iodotriphenylantimony(V)] $(Ph_3SbI)_2O$ (M.J. Taylor, L.-J. Baker, C.E.F. Rickard and P.W.J. Surman), C14

Sulphonato complexes

Hydridosulphonato, hydridocarboxylato and cationic hydrido complexes of carbonylpyridine ruthenium(II) (G. Fachinetti, T. Funaioli and F. Marchetti), C20

Synthesis

II. 1,3-Dipolar cycloadditions to unsaturated boronic esters. Synthesis of borylated 2-isoxazolines. Conversion of some cycloadducts to 5-hydroxy-2-isoxazolines, 5-hydroxymethyl-2-isoxazolines and isoxazoles (M. Jazouli, S. Baba, B. Carboni, R. Carrié and M. Soufiaoui), 229

Tellurium

Molecular dynamics of sterically hindered dihalo- and diacyloxydiaryltelluranes (Y. Takaguchi, H. Fujihara and N. Furukawa), 49

Thiocarbonyl

Poly(azolyl)chelate chemistry. V. Synthesis of bis(benzotriazolyl)-borato complexes of rhodium(I) (S. Anderson, A. Harman and A.F. Hill), 251

Tin

2-Diphenylarsino-, 2-diphenylphosphinyl-, and 2-triphenylstannyl-derivatives of methyl 4,6-O-benzylidene-2-deoxy-α-D-altropyranoside. Crystal structure of the phosphinyl derivative (M.A. Brown, P.J. Cox, R.A. Howie, O.A. Melvin, O.J. Taylor and J.L. Wardell), 275

Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; $H_2$3MeO-sal1,3pn = *N*,*N'*-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke, D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241

Unusual reactivity of tritylcyclopentadienylmetal derivatives. Molecular structure of $Ph_3CC_5H_4SnMe_3$ and $Ph_3CC_5H_4TiCl_3$ (K.A. Rufanov, A.V. Churakov, N.B. Kazennova, G.P. Brusova, D.A. Lemenovskii and L.G. Kuz'mina), 37

Titanium

Unusual reactivity of tritylcyclopentadienylmetal derivatives. Molecular structure of $Ph_3CC_5H_4SnMe_3$ and $Ph_3CC_5H_4TiCl_3$ (K.A. Rufanov, A.V. Churakov, N.B. Kazennova, G.P. Brusova, D.A. Lemenovskii and L.G. Kuz'mina), 37

Transition metal

Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters $(\mu_3\text{-CPh})FeCoMo(CO)_8(RCOCp)H$ (R = H, CH_3 or C_2H_5O) derived from the clusters $(\mu_3\text{-CPh})Co_2Mo(CO)_8(RCOCp)$ (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119

Triphosphine

Labile coordination of bis(diphenylphosphinomethyl)phenylphosphine in di- and trinuclear palladium and platinum complexes containing

ortho-substituted aromatic isocyanide (Y. Yamamoto, T. Tanase, H. Ukaji, M. Hasegawa, T. Igoshi and K. Yoshimura), C23

Tripodal ligand
Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W≡C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63

Tungsten
Heterocyclische Carbene IV. Metallkomplexe mit heterocyclischen Carben-Liganden: Synthese, Struktur, Strukturdynamik (K. Öfele, W.A. Herrmann, D. Mihalios, M. Elison, E. Herdtweck, T. Priermeier und P. Kiprof), 1
Hydrogenolysis of tetra(allyl)tungsten in the presence of tertiary phosphines: synthesis of tris(dmpm)tungsten (0) (R.U. Kirss), 171
Metal–carbon multiple bonds: novel syntheses and reactions of aminocarbyne complexes of tungsten (B. Lungwitz and A.C. Filippou), 91
Oxidationsreaktionen von Molybdän- und Wolframcarbonyl-Carbinkomplexen. Koordination der W≡C-Einheit an Palladium(0) aktiviert Carbonyl- und schützt Carbinliganden bei der Synthese von Wolfram(VI)-Chlorocarbinkomplexen (W. Kläui, T. Hardt, H.-J. Schulte und H. Hamers), 63

Tungsten(II)
Seven-coordinate complexes of molybdenum(II) and tungsten(II) containing pyridine-2-thionate and pyrimidine-2-thionate. Crystal structure of $[W(CO)_3(\eta^2\text{-pymS})_2]$ (pymS = pyrimidine-2-thionate) (P.K. Baker, M.E. Harman, S. Hughes, M.B. Hursthouse and K.M. Abdul Malik), 257

X-ray diffraction
Synthesis of planar-chiral cobalticinium complexes (N. Komatsuzaki, M. Uno, K. Shirai, T. Tanaka, M. Sawada and S. Takahashi), 53

X-ray structure
Mechanistic studies of the activation and the decomposition of $[Rh_2Cl_2(CO)_4]$ in organometallic chemical vapour deposition (P. Serp, R. Feurer, R. Morancho, P. Kalck, J.-C. Daran and J. Vaisserman), 41
Synthesis and some reactivity of pentamethylcyclopentadienylruthenium complexes with an $SnCl_3$ ligand. X-Ray crystal structure of $[(C_5Me_5)Ru(SnCl_3)(COD)]$ (B. Moreno, S. Sabo-Etienne, F. Dahan and B. Chaudret), 139

X-ray structures
Structure and catalytic activity of phosphine-substituted ruthenium carbonyl carboxylates (U. Matteoli, G. Menchi, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli), 177

XRD crystal analysis
Synthesis and X-ray crystal structure of the chiral trimetal carbonyl clusters $(\mu_3\text{-CPh})FeCoMo(CO)_8(RCOCp)H$ (R = H, CH_3 or C_2H_5O) derived from the clusters $(\mu_3\text{-CPh})Co_2Mo(CO)_8(RCOCp)$ (H.-P. Wu, Y.-Q. Yin, X.-Y. Huang and K.-B. Yu), 119

Zinc
Transition-metal Schiff-base complexes as ligands in tin chemistry. Part 6. Reactions of diorganotin(IV) dinitrates with M(3MeO-sal1,3pn) [M = Ni, Co or Zn; $H_2$3MeO-sal1,3pn = *N*,*N'*-bis(3-methoxysalicylidene)propane-1,3-diamine] (M. Boyce, B. Clarke, D. Cunningham, J.F. Gallagher, T. Higgins, P. McArdle, M. Ní Cholchúin and M. O'Gara), 241

Book review
Ferrocenes. Homogeneous Catalysis, Organic Synthesis, Materials Science, Antonio Togni and Tamio Hayashi (eds.) (P.L. Pauson)), C27